

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; an internal spring activation element, wherein the internal spring activation element comprises ~~[[an]]~~a moveable internal spring pin, an internal spring, and a release pin to eliminate ordinal setup requirement; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein ~~when~~ the release pin is configured to be moveable ~~pushed~~ between one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the trigger to permit application of a low force for release; and an internal release activation element comprising the release pin and the one or more ball bearings or slugs interact with the geometry of the trap, whereby the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin, the internal spring, and the release pin to move a position of the container.

2. **(Currently Amended)** The low-force release mechanism of claim 1, wherein the release pin and at the least one ball bearing lock and hold the position of the trap.

3. **(Withdrawn)** The low force release mechanism of claim 1, further comprising at least one roller slug to lock and hold the position of the trap.

4. **(Previously Presented)** The low-force release mechanism of claim 1, wherein the one or more ball bearings that lock and hold the position of the trap with the release pin are low frictional ball bearings with a coefficient of static friction less than 0.15.

5. **(Previously Presented)** The low-force release mechanism of claim 1, further comprising a hanger.

6. **(Currently Amended)** ~~The low-force release mechanism of claim 1, further comprising~~A low-force release mechanism comprising: a main structure; a trap; an

internal spring pin, an internal spring, and a release pin to eliminate ordinal setup requirement; a hanger able to push that pushes the internal spring pin down, thereby locking the internal spring pin in a down position; the internal spring, and the release pin at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein when the release pin is pushed between one or more ball bearings or slugs in an internal geometry of the trap, the position of said trap is locked and held; a load force is distributed away from the trigger to permit application of a low force for release; and the release pin and the one or more ball bearings or slugs interact with the geometry of the trap, whereby the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin, the internal spring, and the release pin to move a position of the container.

7. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; an internal spring activation element, wherein the internal spring activation element comprises ~~[[an]]~~ a moveable internal spring pin, an internal spring, and a release pin used to eliminate ordinal setup requirement; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein ~~when~~ the release pin is configured to be moveable ~~pushed~~ between one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the trigger to permit application of a low force for release; and an internal release activation element comprising the release pin, a lift spring, and the one or more ball bearings or slugs ~~interacts~~ interact with the geometry of the trap such that the application of the low force on the trigger causes the internal spring pin, the internal spring, and the release pin to move a position of the container.

8. **(Currently Amended)** The low-force release mechanism of claim 1, wherein the container is selected from the group consisting of: a bag ~~[[bags]]~~, a box ~~boxes~~, a collapsible box ~~boxes~~, and a net ~~[[nets]]~~.

9. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; an internal spring activation element, wherein the internal spring activation element comprises ~~[[an]]~~ a moveable internal spring pin, an internal spring, and a release pin used to eliminate ordinal setup requirement; at least one trigger; a string attached to the trigger; and attachments by which a container is attached to said main structure and said trap, wherein ~~when~~ the release pin is configured to be moveable ~~pushed~~ between one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the trigger to permit application of a low force for release; and an internal release activation element comprising the release pin and the one or more ball bearings or slugs interact with the geometry of the trap, whereby the one or more ball bearings or slugs retract upon removal of the release pin such that a user pulling on the string attached to the trigger causes the internal spring pin, the internal spring, and the release pin to move a position of the container, such that the container collapses releasing its contents.

10. **(Previously Presented)** The low-force release mechanism of claim 1 or claim 9, wherein the load force is distributed to the main structure and to the trap.

11. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; an internal spring activation element, wherein the internal spring activation element comprises ~~[[an]]~~ a moveable internal spring pin, an internal spring, and a release pin used to eliminate ordinal setup requirement; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein ~~when~~ the release pin is configured to be moveable ~~pushed~~ between one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the trigger to permit application of a low force for release; and an internal release activation element comprising the release pin, a trap spring, and the one or more ball bearings or slugs ~~interacts~~interact with the geometry of the trap such that the application of the low force on the trigger causes the internal spring pin, the internal spring, and the release pin to move a position of the container.